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NAVY EXPERIMENTAL DIVING UNIT PANAMA CITY FL
MALLORY CRIME ALERT (CAIA) INTRUDER DETECTOR SYSTEM. (U)

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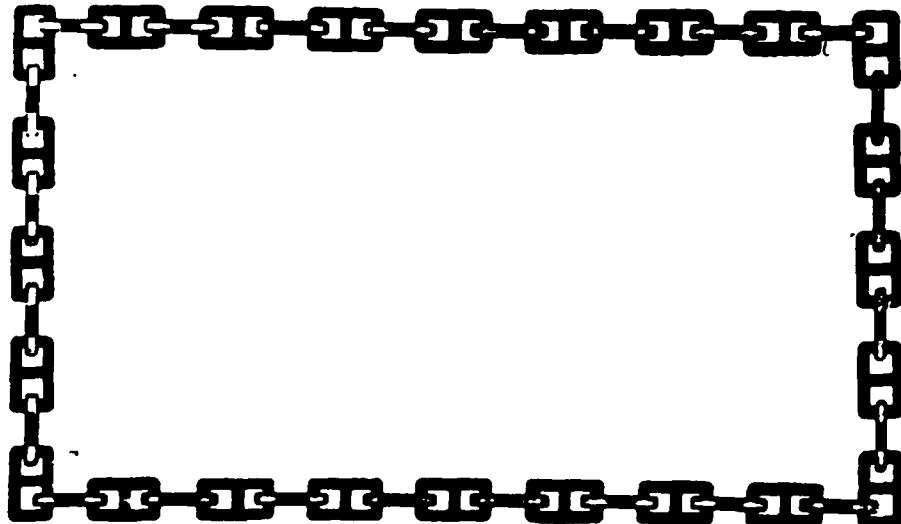
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NAVY EXPERIMENTAL DIVING UNIT
WASHINGTON NAVY YARD
WASHINGTON, D.C. 20390

EXPERIMENTAL DIVING UNIT REPORT

1-73

MALLORY CRIME ALERT (CAIA)
INTRUDER DETECTOR SYSTEM

by

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February 1973

DTIC

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DISTRIBUTION	TYPE
Approved for Release	NTIA
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ABSTRACT

The Mallory Crime Alert (CAIA) Intruder Detector System was evaluated by the Navy Experimental Diving Unit during the period October 1972 to January 1973. There was an annoyance factor due to voltage fluctuation and insects noted. However, the system is suitable for intruder detection.

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1. Purpose

1.1 The purpose of this evaluation was to determine the suitability of this system to detect unauthorized personnel within the Navy Experimental Diving Unit, Building 214, Washington Navy Yard, Washington, D.C.

2. Method

2.1 Seven Mallory Crime Alert (CAIA) Intruder Detectors were installed in various spaces of the Navy Experimental Diving Unit, Building 214, Washington Navy Yard, Washington, D. C. on 11 October 1972. The system is designed to detect movement within a 15 foot radius of the sensors and trigger audio and visual alarms installed in the crew's lounge. Actual locations are described in Appendix A.

3. Results

3.1 During the period October 1972 to January 1973 the alarms were set by the duty man during periods of inactivity in the building. During the first week of this period, many false alarms occurred. The major causes were sensitivity settings, voltage fluctuation, and insects crawling across sensors. The latter occurred with basement mounted detectors.

3.2 From the second week on, false alarms were reduced by making sensitivity adjustments. However, false alarms did occur intermittently due to voltage fluctuation and in the basement due to insects.

3.3 All movement was detected by the duty man during this period of time.

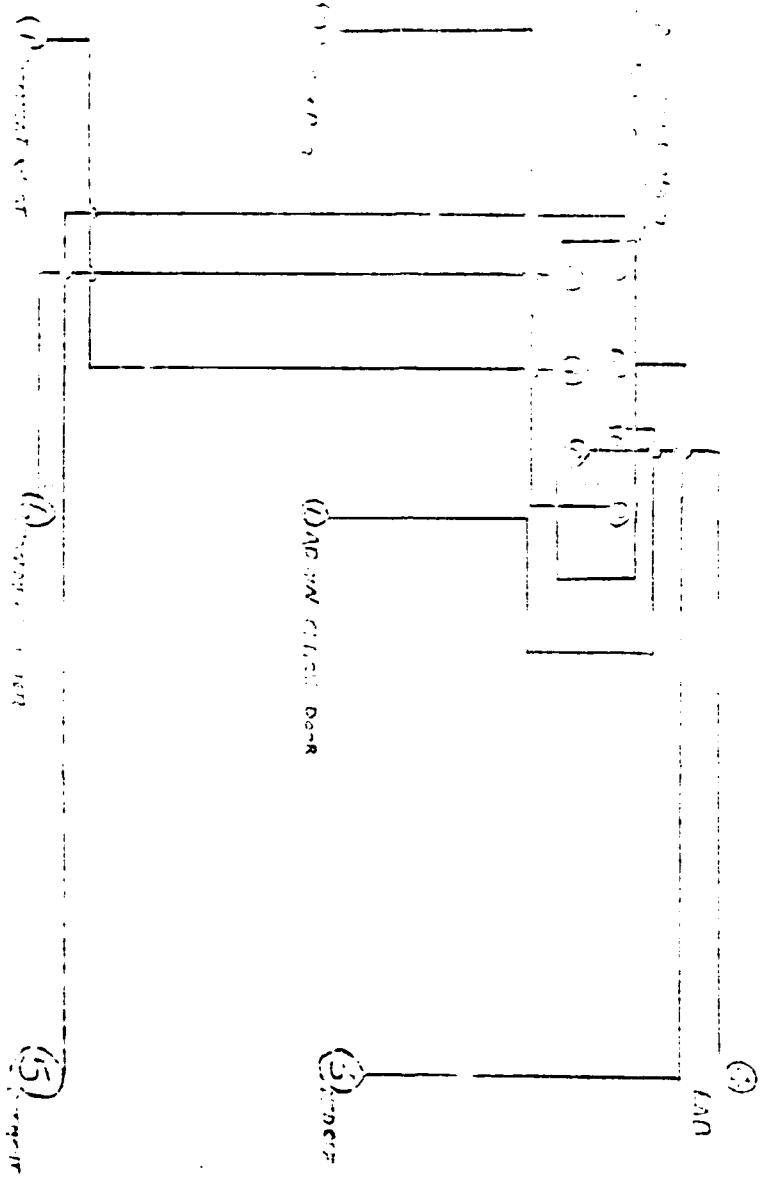
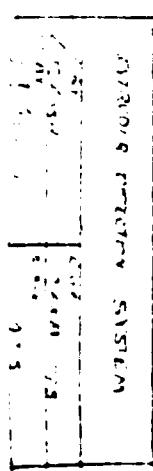
4. Conclusion

4.1 It is recommended the system be accepted.

APPENDIX A

Location of Units

UNIT 1	Outside Administrative Office Door
UNIT 2	School Door
UNIT 3	Medical Office
UNIT 4	Lab
UNIT 5	Basement West
UNIT 6	Basement Center
UNIT 7	Basement East



Unclassified

Pkt. 201
Oct 72 - Jan 73

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

14) NEDU - REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM	
1. REPORT NUMBER 1-73	2. GOVT ACCESSION NO. AD-A095 452	3. RECIPIENT'S CATALOG NUMBER	
4. TITLE (and Subtitle) Mallory Crime Alert (CAIA) Intruder Detector System		5. TYPE OF REPORT & PERIOD COVERED	
6. PERFORMING ORG. REPORT NUMBER 10		7. CONTRACT OR GRANT NUMBER(s)	
8. PERFORMING ORGANIZATION NAME AND ADDRESS Navy Experimental Diving Unit Washington Navy Yard Washington, D. C. 20374		9. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS	
10. CONTROLLING OFFICE NAME AND ADDRESS		11. REPORT DATE February 1973	
12. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) 1381		13. NUMBER OF PAGES 6	
14. SECURITY CLASS. (of this report) Unclassified			
15a. DECLASSIFICATION/DOWNGRADING SCHEDULE			
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.			
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)			
18. SUPPLEMENTARY NOTES			
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Detection Alarm System			
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